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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet 1 of 3

Application Number	10/014,750
Filing Date	October 25, 2001
First Named Inventor	Jenny LOUIE-HELM et al.
Art Unit	1615
Examiner Name	Blessing M. Fubara
Attorney Docket Number	3100-0003

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
BF	AY	4,434,153	2/28/84	Urquhart et al.			
	AZ	4,690,824	9/1/87	Powell et al.			
	BA	4,748,023	5/31/88	Tamás et al.			
	BB	4,786,503	11/22/88	Edgren et al.			
	BC	4,839,177	6/13/89	Colombo et al.			
	BD	4,851,232	7/25/89	Urquhart et al.			
	BE	4,865,849	9/12/89	Conte et al.			
	BF	5,064,656	11/12/91	Gergely et al.			
	BG	5,085,865	2/4/92	Nayak			
	BH	5,213,808	5/25/93	Bar-Shalom et al.			
	BI	5,232,704	8/3/93	Franz et al.			
	BJ	5,393,765	2/28/95	Infeld et al.			
	BK	5,422,123	6/6/95	Conte et al.			
	BL	5,458,887	10/17/95	Chen et al.			
	BM	5,458,888	10/17/95	Chen			
	BN	5,464,633	11/7/95	Conte et al.			
	BO	5,472,708	12/5/95	Chen			
	BP	5,487,901	1/30/96	Conte et al.			
	BQ	5,508,040	4/16/96	Chen			
	BR	5,549,913	8/27/96	Colombo et al.			
	BS	5,609,590	3/11/97	Herbig et al.			
	BT	5,626,874	5/6/97	Conte et al.			
	BU	5,650,169	7/22/97	Conte et al.			
	BV	5,651,985	7/29/97	Penners et al.			
	BW	5,681,583	10/28/97	Conte et al.			
	BX	5,688,776	11/18/97	Bauer et al.			
	BY	5,736,159	4/7/98	Chen et al.			
	BZ	5,780,057	7/14/98	Conte et al.			
	CA	5,811,126	9/22/98	Krishnamurthy			
	CB	5,837,379	11/17/98	Chen et al.			
	CC	5,840,329	11/24/98	Bai			
	CD	5,897,874	4/27/99	Stevens et al.			
	CE	5,916,595	6/29/99	Chen et al.			
	CF	6,033,685	3/7/00	Qiu et al.			
	CG	6,207,197	3/27/01	Illum et al.			
	CH	6,261,601	7/17/01	Talwar et al.			
	CI	6,340,475	01/22/02	Shell et al.			
	CJ	6,368,628	4/9/02	Seth			5/26/00
	CK	6,451,808	9/17/02	Cowles			10/17/00
BF	CL	6,488,962	12/3/02	Berner et al.			6/20/00

Examiner Signature	Blessing Fubara	Date Considered	5/20/04
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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CM	2001/0018070	8/30/01	Shell et al.			
CN	Serial No. 09/425,491		Shell et al.			10/22/99
CO	Serial No. 10/029,134		Gusler et al.			10/25/01
CP	Serial No. 10/045,823		Shell et al.			11/6/01
CQ	Serial No. 10/066,146		Lim et al.			2/1/02
CR	Serial No. 10/152,914		Fara et al.			5/20/02
CS	Serial No. 10/280,309		Berner et al.			10/25/02
CT	Serial No. 10/280,852		Devane et al.			10/25/02

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document No.	Publication Date	Country	Class	Subclass	T
BF	CU	EP 0598309 B1	1/28/98	Europe			
	CV	EP 0795324 A2	9/17/97	Europe			
	CW	GB 1330829	9/19/73	United Kingdom			
	CX	WO 96/32097 A1	10/17/96	PCT WO			
	CY	WO 98/55107 A1	12/10/98	PCT WO			
	CZ	WO 00/23045 A1	4/27/00	PCT WO			
	DA	WO 00/38650 A1	7/6/00	PCT WO			
	DB	WO 01/32217 A3	5/10/01	PCT WO			
	DC	WO 01/56544 A3	8/9/01	PCT WO			
	DD	WO 01/97783 A1	12/27/01	PCT WO			
	DE	WO 02/083687 A1	10/24/02	PCT WO			

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
BF	DF	Abrahamsson, et al. (1993), "Absorption, Gastrointestinal Transit, and Tablet Erosion of Felodipine Extended-Release (ER) Tablets," <i>Pharmaceutical Research</i> 10(5):709-714.	
BF	DG	Apicella et al. (1993), "Poly(ethylene oxide) (PEO) and Different Molecular Weight PEO Blends Monolithic Devices for Drug Release," <i>Biomaterials</i> 14(2):83-90.	
BF	DH	Baumgartner et al. (2000), "Optimisation of Floating Matrix Tablets and Evaluation of Their Gastric Residence Time," <i>International Journal of Pharmaceutics</i> 195:125-135.	
BF	DI	Bettini et al. (1994), "Swelling and Drug Release in Hydrogel Matrices: Polymer Viscosity and Matrix Porosity Effects," <i>European Journal of Pharmaceutical Sciences</i> 2:213-219.	
BF	DJ	Chen et al. (2000), "Gastric Retention Properties of Superporous Hydrogel Composites," <i>Journal of Controlled Release</i> 64:39-51.	
BF	DK	Columbo et al. (1990), "Drug Release Modulation by Physical Restrictions of Matrix Swelling," <i>International Journal of Pharmaceutics</i> 63:43-48.	
BF	DL	Davis et al. (1986), "The Effect of Density on the Gastric Emptying of Single- and Multiple-Unit Dosage Forms," <i>Pharmaceutical Research</i> 3(4):208-213.	
BF	DM	Deshpande et al. (1997), "Development of a Novel Controlled-Release System for Gastric Retention," <i>Pharmaceutical Research</i> 14(6):815-819.	
BF	DN	Ford et al. (1987), "Importance of Drug Type, Tablet Shape and Added Diluents on Drug Release Kinetics from Hydroxypropylmethylcellulose Matrix Tablets," <i>International Journal of Pharmaceutics</i> 40:223-234.	

Examiner Signature

Blessing Fubara

Date Considered

5/18/04

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bf	DO	Gao et al. (1996), "Swelling of Hydroxypropyl Methylcellulose Matrix Tablets. 2. Mechanistic Study of the Influence of Formulation Variables on Matrix Performance and Drug Release," <i>Journal of Pharmaceutical Sciences</i> 85(7):732-740.		
bf	DP	Hwang et al. (1998), "Gastric Retentive Drug-Delivery Systems," <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> 15(3):243-284.		
bf	DQ	Ju et al. (1995), "Drug Release from Hydrophilic Matrices. 1. New Scaling Laws for Predicting Polymer and Drug Release Based on the Polymer Disentanglement Concentration and the Diffusion Layer," <i>Journal of Pharmaceutical Sciences</i> 84(12):1455-1463.		
bf	DR	Ju et al. (1995), "Drug Release from Hydrophilic Matrices. 2. A Mathematical Model Based on the Polymer Disentanglement Concentration and the Diffusion Layer," <i>Journal of Pharmaceutical Sciences</i> 84(12):1464-1477.		
bf	DS	Kaniwa et al. (1983), "The Bioavailability of Flufenamic Acid and Its Dissolution Rate from Capsules," <i>International Journal of Clinical Pharmacology, Therapy and Toxicology</i> 21(2):56-63.		
bf	DT	Kim (1995), "Drug Release from Compressed Hydrophilic POLYOX-WSR Tablets," <i>Journal of Pharmaceutical Sciences</i> 84(3):303-306.		
bf	DU	Lapidus et al. (1966), "Some Factors Affecting the Release of a Water-Soluble Drug from a Compressed Hydrophilic Matrix," <i>Journal of Pharmaceutical Sciences</i> 55(8):840-843.		
bf	DV	Lapidus et al. (1968), "Drug Release from Compressed Hydrophilic Matrices," <i>Journal of Pharmaceutical Sciences</i> 57(8):1292-1301.		
bf	DW	Maggi et al. (2000), "High Molecular Weight Polyethylene Oxides (PEOs) as an Alternative to HPMC in Controlled Release Dosage Forms," <i>International Journal of Pharmaceutics</i> 195:229-238.		
bf	DX	Maggi et al. (2000), "Highly Swellable Multi-Layer Tablets to Prolong the Residence Time of the Delivery in the Stomach," <i>Journal of Controlled Release</i> 64:269-347.		
bf	DY	Oth et al. (1992), "The Bilayer Floating Capsule: A Stomach-Directed Drug Delivery System for Misoprostol," <i>Pharmaceutical Research</i> 9(3):298-302.		
bf	DZ	Rao et al. (1988), "Swelling Controlled-Release Systems: Recent Developments and Applications," <i>International Journal of Pharmaceutics</i> 48:1-13.		
bf	EA	Reynolds et al. (1998), "Polymer Erosion and Drug Release Characterization of Hydroxypropyl Methylcellulose Matrices" <i>Journal of Pharmaceutical Sciences</i> 87(9):1115-1123.		
bf	EB	Shameem et al. (1995), "Oral Solid Controlled Release Dosage Forms: Role of GI-Mechanical Destructive Forces and Colonic Release in Drug Absorption Under Fasted and Fed Conditions in Humans," <i>Pharmaceutical Research</i> 12(7):1049-1054.		
bf	EC	Siepmann et al. (1999) "HPMC Matrices for Controlled Drug Delivery: A New Model Combining Diffusion, Swelling, and Dissolution Mechanisms and Predicting the Release Kinetics" <i>Pharmaceutical Research</i> 16(11):1748-1756.		
bf	ED	Yang et al. (1996), "Zero-Order Release Kinetics from a Self-Correcting Floatable Asymmetric Configuration Drug Delivery System," <i>Journal of Pharmaceutical Sciences</i> 85(2):170-173.		

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